

65. On page 20, actual line 14 of the specification, before the word "cell" please insert the words --base station repeater--.

66. On page 20, actual line 15 of the specification, before the word "cell" please insert the words --base station repeater--.

67. On page 20, actual line 24 of the specification, before the word "remote" please insert the word --local--.

68. On page 20, actual line 25 of the specification, before the word "cell" please insert the words --base station repeater--.

69. On page 21, actual line 3 of the specification, before the word "cell" please insert the words --base station repeater--.

70. On page 21, actual line 6 of the specification, before the word "cell" please insert the words --base station repeater--.

71. On page 22, actual line 9 of the specification, before the word "remote" please insert the word --local--.

IN THE CLAIMS:

Please renumber the Claims as Follows:

Please renumber the second Claim 29 as Claim 30.

Please renumber Claim 30 as Claim 31.

Please renumber Claim 31 as Claim 32.

Please renumber Claim 32 as Claim 33.

Please renumber Claim 33 as Claim 34.

Please insert the following changes:

~~1. (Amended) A base station configuration in a two-way communication~~
interactive video network having [a] network hub switching center means for
~~routing communications from and to a plurality of subscriber units comprising.~~

subscriber units dispersed at various locations within a predetermined base station geographic area, [at various geographic locations served by]

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[a] local base station repeater cell means for [that processes digital data modulated on an r-f carrier and transmitted from a plurality of subscriber units dispersed over a predetermined base station geographic area by presenting multiplexed digital data synchronously related to the base station broadcast signal for communication from] communicating with identified individual subscriber units within [designated] a local base station geographic [service] area[s] associated with said local base station repeater cell means, said local base station repeater cell means further comprising [in combination],

base station data processing and transmission [facilities] means for transmitting to a set of said local subscriber units contained within said local base station geographic area associated with said local base station repeater cell means and receiving from a subset of said local set of subscriber units multiplexed synchronously related digital data messages of variable lengths for point-to-point communication between said local base station repeater cell means and said [individual] subset of said local subscriber[s] units [within remotely located reception stations geographic areas],

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[base station] reception means for receiving and processing data messages from [the] said set of local subscriber units [at that base station] comprising a local remote receiver disposed within one of a plurality of [set of] cell subdivision site[s] partitioned from said [base station] local base station geographic area associated with said local base station repeater cell means, said plurality of cell subdivision sites [and] dispersed over [the] said local base station geographic area, each [cell-subdivision site] local remote receiver [being] adapted for receiving only

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~~low power digital messages transmitted from said local subscriber units within range of [the partitioned cell site areas] said local remote receiver, and~~

~~a set of local subscriber transceiver units including low power mobile units located within [the] said local base station geographic area, each of said local subscriber transceiver units adapted to communicate with said local base station repeater cell means by way of digital data signals of variable lengths synchronously related [to said television broadcast signal] and timed for [said] multiplexed message transmission.~~

Please Cancel Claims 2-34 without prejudice.

Please add the following new Claims:

2
~~35.~~ (New) A two-way communication interactive video network system having network hub switching center means for routing communications to and from a plurality of subscriber units comprising:

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base station repeater cell means for communicating with a plurality of subscriber units, said base station repeater cell means and said plurality of subscriber units disposed in a respective geographic area, said base station repeater cell means further comprising,

data processing and transmission means for transmitting to and receiving from at least one of said plurality of said subscriber units multiplexed synchronously related data messages of variable lengths, such that point-to-point communication between said base station repeater cell means and said at least one of said plurality of subscriber units is possible,

reception means for receiving and processing said multiplexed synchronously related data messages from said at least one of said plurality of

subscriber units and relaying said multiplexed synchronously related data messages from said at least one of said plurality of subscriber units to said base station repeater cell means.

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~~36.~~ (New) The two-way communication interactive video network system of Claim ~~35~~² wherein said point-to-point communication between said base station repeater cell means and said at least one of said plurality of said subscriber units is accomplished via digital data modulated on an r-f carrier.

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~~37.~~ (New) The two-way communication interactive video network system of Claim ~~36~~³ wherein said point-to-point communication between said base station repeater cell means and said at least one of said plurality of said subscriber units is accomplished via digital data modulated on an r-f carrier frequency of approximately 218 MHz.

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~~38.~~ (New) The two-way communication interactive video network system of Claim ~~37~~² wherein said plurality of subscriber units are further comprised of:

low power mobile units located within said respective geographic area, each of said low power mobile units adapted to communicate with said base station repeater cell means by way of digital data signals of variable lengths synchronously related and timed for multiplexed message transmission with said base station repeater cell means.

⁶
~~39.~~ (New) The two-way communication interactive video network system of Claim ~~38~~² wherein said plurality of subscriber units are further comprised of:

digital message organization means for disassembling said multiplexed synchronously related data messages of variable lengths and for transmitting data in a sequence of fixed length transmission frames.

⁷
~~40.~~ (New) The two-way communication interactive video network system of Claim ²~~35~~ wherein said reception means further comprises:

at least one local remote receiver disposed within a respective at least one base station repeater cell means subdivision site wherein said at least one cell subdivision site is partitioned from said respective geographic area associated with said base station repeater cell means, said at least one local remote receiver adapted for receiving-only low power digital messages transmitted from said subscriber units within range of said at least one local remote receiver and for relaying said low power digital messages to said base station repeater cell means.

⁸
~~41.~~ (New) The two-way communication interactive video network system of Claim ²~~35~~ further including a plurality of said base station repeater cell means each of said plurality of said base station repeater cell means for communicating with a corresponding plurality of subscriber units wherein each of said plurality of said base station repeater cell means and said corresponding plurality of subscriber units are disposed in a common geographic area.

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~~42.~~ (New) The two-way communication interactive video network system of Claim ⁸~~41~~ wherein each of said plurality of said base station repeater cell means has a respective at least one local remote receiver associated therewith, said respective at least one local remote receiver disposed within a respective at least one base station repeater cell means subdivision site partitioned from said respective geographic area associated with said respective base station repeater

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cell means, said at least one local remote receiver adapted for receiving-only low power digital messages transmitted from said subscriber units within range of said at least one local remote receiver and for relaying said low power digital messages to said corresponding base station repeater cell means.

¹¹
~~43~~⁸. (New) The two-way communication interactive video network system of Claim ~~41~~ further comprising:

hub switching center means located remotely from said plurality of base station repeater cell means for routing designated digital data messages between a first plurality of subscriber units and a corresponding first base station repeater cell in a first geographic area and a second plurality of subscriber units and a corresponding second base station repeater cell located in a second geographic areas.

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~~44~~². (New) The two-way communication interactive video network system of Claim ~~35~~ wherein said data processing and transmission means of said base station repeater cell means further comprises:

message accumulation means for storing and retransmitting digital message packets received from said at least one of said plurality of subscriber units, said message packets comprising a sequence of subscriber transmission frames, and

means for retransmitting said message packets to a hub switching center of an interactive video network system via a satellite.

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~~45~~⁹. (New) The two-way communication interactive video network system of Claim ~~42~~ further comprising:

means for transmitting messages from each of at said least one base station
repeater cell means subdivision sites on a different carrier frequency.

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~~46~~². (New) The two-way communication interactive video network system of
Claim ~~35~~ further comprising:

means for compensating for the time of propagation of said multiplexed
synchronously related data messages between said subscriber units and said data
processing means of said base station repeater cell means.
